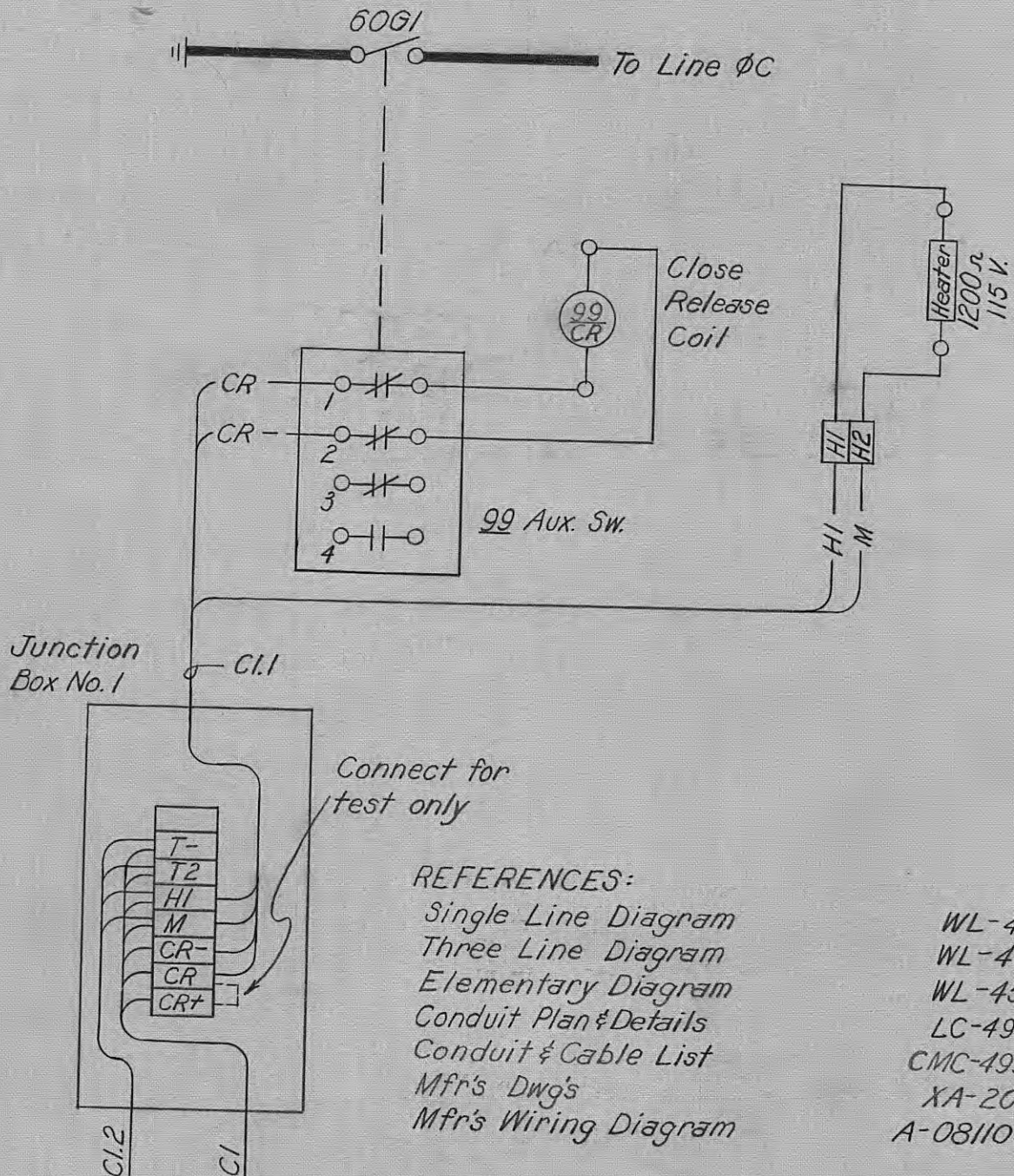


WS-4601



69KV. Transf. Bus ØC	60G1	G600	13904
LOCATION	SW. NO.	DEV. SER.	REQ'N

TENNESSEE VALLEY AUTHORITY
 DIVISION OF POWER PLANNING AND ENGINEERING
 N.E. HARRIMAN, TENN. SUB. - 69 KV.
 CONTROL DIAGRAM FOR S.S. CORP.
 TYPE "HRR", 69 KV, 40,000A. GRD. SW.

DATE 6/6/69	SUBMITTED	APPROVED	SHEET / OF / SHEETS
SCALE None	CLASS. CODE		WS-4601

Rev. No.	DATE	DSGN	DRWN	CHKD	SUPV	APPD
		LMG				
		MFA				
		JGG				

SUPV.	W. O.	PROJ. ENGR.
	37174	

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SNP-3005

WESTINGHOUSE NEUTRAL GROUNDING REACTOR

SERIAL NO. 5694669

60 CYCLES

RATING VOLTS : 8660 AMPERES: 5500

REACTANCE 0.5 OHMS

RATING KVA: 15125

TO CARRY 5500 A FOR 10 SEC.

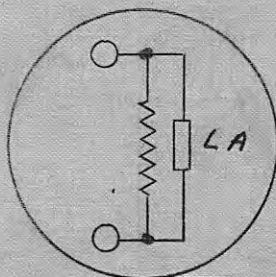
FOR CONNECTION IN NEUTRAL OF 8660 VOLT CIRCUIT

MFR'S S.O. NO. 1-U-4133

TVA REQ. NO. 694189

MFR'S. G.O. NO. CO-50859-R

TVA ORDER C-51-27367



APPROXIMATE WEIGHT 700 LBS.

TEST DATA AT 75° C	
INSULATION TESTS	Winding to ground - 40000v, 60 cycles for 1 min. Across winding - 53400v, @ high freq. for 1 min.
REACTIVE VOLT DROP ACROSS FULL WINDING AT 5500 A.	2820
IMPEDANCE OHMS	0.513
RESISTANCE OHMS DC	0.0228

REFERENCES:

Mfrs. Dwgs

X-5453

Mfrs. Outline Dwg.

25-D-8544

LOCATION	5				
LOCATION	1	Hartiman, Tenn.			
TENNESSEE VALLEY AUTHORITY POWER ENGINEERING AND CONSTRUCTION DEPARTMENT REACTOR NAMEPLATE DIAGRAM WESTINGHOUSE 15125 K.V.A. 2750 VOLTS DROP AT 5500 AMPS					
SCALE: NONE	SUBMITTED	APPROVED	DATE	7-3-52	
DRAWN JHP	Z. W. Miller		SHEET 1 OF 1 SHEETS		
TRACED	K. E. Kappert		SNP-3005		
CHECKED					
CORRECT					
ISSUE	REVISION	DATE	SIG.		

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[illegible]

Single Line Diag. LC-11550
Three Line Diag. LC-28710

Conduit Plan & Details. LC-19531
Conduit & Cable List CMC-8655
Mfr's. Dwg's. XA-740
Mfr's. Wiring Diag. A-08110354

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R-1